



MULTIPURE™

Multipure Aquasource

Better Water Throughout the Home

Installation, Operation & Maintenance Manual

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About the Aquasource Whole House Water Treatment System

Thank you for your purchase of Multipure's Aquasource Whole House Water Treatment System. The Aquasource is designed to aesthetically improve the quality of the water used throughout your entire home. With proper installation and maintenance, this system will provide you with better water for years to come. If you have any questions or concerns, please contact our Customer Service Department by phone at 1.800.622.9206 or by email at custsvc@multipure.com.

THE AQUASOURCE WATER TREATMENT SYSTEM MUST BE INSTALLED BY A LICENSED PLUMBER IN ACCORDANCE WITH ALL APPLICABLE PLUMBING CODE.

Before You Begin

Please read this manual before proceeding with the professional installation and use of your system. Installation, operation, and maintenance requirements are essential to the performance of your system – failure to follow any instructions or operating parameters contained herein may lead to product damage or product failure.

- Replacement filters can be purchased directly from Multipure. For the latest prices, please visit our website at <http://www.multipure.com/store/>.
- The Aquasource Whole House System uses a set of 3 identical replacement filters (Model Nos. CB20, CB20LSI). Actual filter life depends on the amount of water used and the level of particulate matter in the water being processed.
- If your water has a noticeable amount of large particulate matter (e.g., sand, dirt, leaves, etc.), Multipure recommends the installation of a Sediment Filter (purchased separately) before the Aquasource, which extends the useful life of the replacement filter cartridges.
- The Aquasource Whole House System is designed to be most effective with municipally-treated water.
- The Aquasource Whole House System is designed for cold water use only, and at a maximum water pressure of 100 psi.
- The Aquasource housing operates in an upright position. Please leave at least 22" clearance above the housing for filter cartridge changes.
- Do not allow water to freeze in the system. If the system is exposed to freezing temperatures, drain water from the system and remove the filter cartridges. Allow the filters to thaw before replacing and reusing.
- Do not allow water to sit in the system for extended periods of time (i.e., 10 days or more) without use.
- It is always advisable to flush all of the water pipes in your home whenever water has been standing in the pipes for an extended period of time.
- Check for compliance with any state or local laws and regulations before use.

Important Notice

- The installation of a Whole House Water Treatment System will cause a reduction in the water flow rate or pressure. Flow rate/pressure drop will vary depending on a variety of factors, including but not limited to the size of the pipes in your home, the number of fittings and outlets, and the height to which the water must be delivered.
- You may encounter a noticeable water pressure drop if multiple water outlets (e.g., toilets, showers, dishwashers, etc.) are open at the same time.

Aquasource Parts List

- Housing lid, secured with 8 I-bolts
- Housing bottom
- (3) CB20 Replacement Filter(s) (optional: CB20LSI)
- Silicone gasket (not shown - fits in the groove at the flat top surface of the housing bottom)
- Pressure gauge
- Filter retention plate
- Threaded connecting rod and nut
- All other components must be supplied by purchaser or plumber

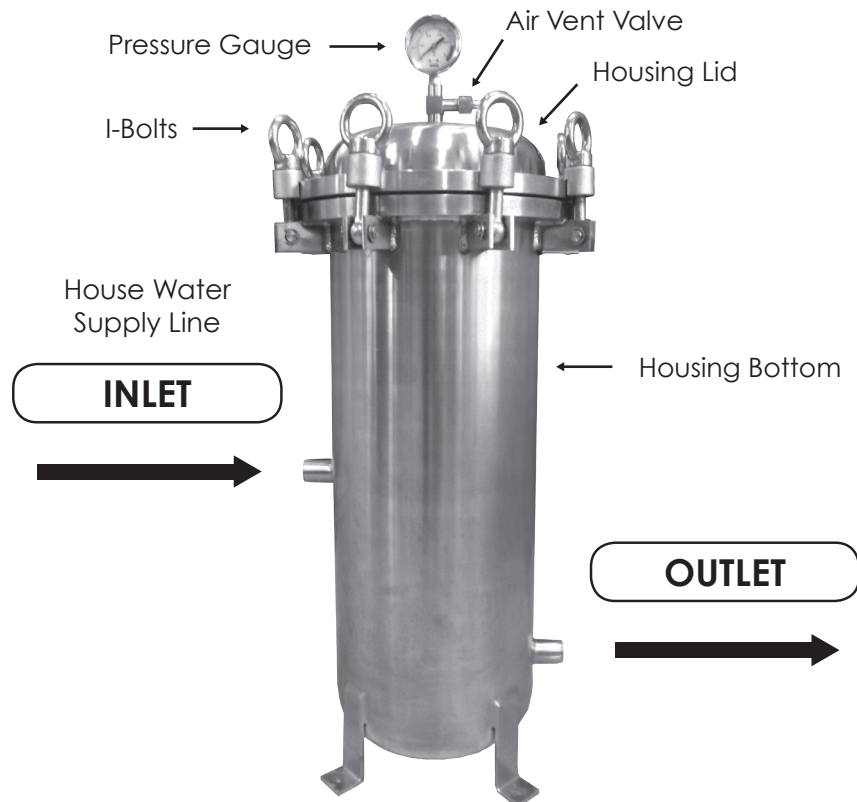
Specifications

Model Name	AQUASOURCE1
Replacement Filter Type:	Model CB20* (optional CB20LSI)
Approximate Capacity:	100,000 Gallons*
Approximate Flow Rate @ 60 psi:	10-12 gpm**
Housing Composition:	304 Stainless Steel
Rubber Items:	Silicone
Inlet:	1"
Outlet:	1"
System Size:	35" h x 16" d
System Weight (without cartridges):	120 lbs.
Filter Cartridge Size (each):	20" h x 4.75" d
Filter Cartridge weight (each):	6 lbs
Working Pressure Range:	30 psi (2.1 kg/cm ²) to 100 psi (7.0 kg/cm ²)
Operating Temperature Range:	32° F (0° C) to 100° F (38° C) – for cold water use only

*Each CB20 cartridge has an estimated capacity of 33,000 gallons for chlorine taste and odor reduction.

**Flow rate varies depending on filter cartridges used.

Aquasource Installation Overview



Installation

THE AQUASOURCE WATER TREATMENT SYSTEM MUST BE INSTALLED BY A LICENSED PLUMBER IN ACCORDANCE WITH ALL APPLICABLE PLUMBING CODE.

The following are guidelines for installing the Aquasource to the main water supply line for the whole house. If you have questions regarding the installation of your Multipure Aquasource Whole House Water Treatment System, please contact your plumber and/or call Multipure Customer Service by phone at 1.800.622.9206 or by email at custsvc@multipure.com.

Prepare the Aquasource for installation

1. Turn each of the 8 I-bolts counter-clockwise to loosen (use a screwdriver, pliers, or other tool for leverage, if necessary). Pull the I-bolts up and away from the housing lid, and then turn them so that each I-bolt rests against the side of the housing bottom.
 2. Carefully lift the housing lid up off of the housing bottom and set aside.
 3. Turn the nut on the retention plate counter-clockwise to remove. Carefully remove the filter retention plate and set both the plate and the nut aside.
 4. **Remove** the plastic wrapping and instruction wrap from all 3 filter cartridges.
 5. Inspect each filter cartridge to make sure that all three have two (2) black O-rings properly seated in grooves on the nipple (make sure to check that the o-rings are lightly lubricated), and one (1) white gasket seated at the base of the filter nipple.
 6. Install each filter cartridge inside the system housing, one at a time:
 - a. Insert each filter cartridge, nipple-side down, into one of the 3 receptor holes located inside the bottom of the Aquasource housing.
 - b. Make sure that all 3 cartridges are fully inserted, and that the white gasket around the filter cartridge nipple is in complete contact with the receptor hole.
- NOTE: All 3 filter cartridges must be used for proper function of the Aquasource. Failure to properly insert all 3 filter cartridges may result in water bypassing the filters and passing through the Aquasource unfiltered.**
7. Align the filter retention plate so that the connecting rod fits through the center hole of the plate. Place the retention plate nut over the connecting rod and rotate clockwise to securely tighten the retention plate over the 3 filter cartridges.
 8. Inspect the flat opening surface at the top of the housing bottom. Make sure that the silicone gasket there is undamaged and properly seated in the recessed groove.
 9. Carefully place the housing lid on top of the housing bottom. Secure with the 8 I-bolts, turning each clockwise to tighten.
 10. Connect the pressure gauge on top of the housing lid, rotating it clockwise into the threaded receptor. Use Teflon tape to ensure a proper seal.

Prepare the Aquasource and House Plumbing for Installation - (parts supplied by plumber in accordance with local plumbing code)

1. Locate the main water supply line for the house. Locate the main water supply shutoff valve and rotate it counter-clockwise to close the water supply to the house.

2. Close all of the faucets in the house to avoid back flow of water.
3. Disconnect the water line. If a pressure regulator is installed, disconnect the line after the regulator.
4. If necessary, install additional plumbing to enable a valve connection to bypass the Aquasource unit on the water supply line.
5. Install a hose bib faucet (for flushing) and shutoff valve on the Aquasource outlet port. This will provide additional convenience when flushing the system during installation and filter changes.
6. Connect the **outflowing** water line (the water line going into the house) to the 1" OUTLET port of the Aquasource housing. The OUTLET port is the lower of the two ports on the housing, closer to the bottom of the housing.
7. Connect the **inflowing** water line (the water line with the initial water supply) to the 1" INLET port of the Aquasource housing. The INLET port is the higher of the two ports on the housing, closer to the center of the housing.

Startup and Use of Your Aquasource Whole House Water Treatment System

1. Close the shutoff valve connected to the flushing hose bib faucet (after the Aquasource but before the water enters the house).
2. Open the main water supply shutoff valve. Check for any possible leaks.
3. Purge the air from the Aquasource.
 - a. Locate the air vent valve on top of the Aquasource housing lid. Rotate the air vent valve nut counterclockwise.
 - b. Once a steady stream of water escapes from the air vent valve, turn clockwise to tighten.
4. Attach a garden hose to the flushing hose bib faucet and open the faucet to flush the system.
5. Allow water to flow through the Aquasource and out through the flushing hose for approximately 5-10 minutes. This will flush any carbon dust and debris from the pipes.
6. Close the flushing hose bib faucet. Check all connections for any possible leaks.
7. Open the shutoff valve connected to the flushing hose bib faucet. Water can now flow through the Aquasource and into the house.

Additional Usage Notes

Your Aquasource Whole House Water Treatment System is now ready to provide cleaner, clearer water at every tap and appliance throughout your home. The Aquasource effectively reduces dirt, rust, sand, algae, and chlorine, improving the smell, taste, and overall quality of water for bathing, showering, and all other household water needs.

- With the optional CB20LSI filter cartridges, the Aquasource also effectively reduces the presence of and inhibits the build-up of limescale.

For the highest quality drinking water, Multipure recommends the installation and use of a Multipure Drinking Water System at the kitchen sink as a supplement to the Aquasource Whole House Water Treatment System. Multipure Drinking Water Systems provide additional filtration by reducing the presence of contaminants of health concern.

Maintenance

Regarding Filter Capacity

1. The Aquasource Whole House Water Treatment System uses **filter Model No. CB20 (optional: CB20LSI)**. Exact filter capacity varies in proportion to the amount of water used and the level of particulate matter in the water being processed.
2. For optimum performance and to maintain the lifetime warranty on your system housing, it is essential that the filters be replaced when the first of the following occurs: (a) when the system reaches its rated capacity, (b) when the flow rate diminishes, (c) when the filter becomes saturated with bad tastes and/or odors, or (d) every 6-12 months.
3. **For any questions regarding the replacement of your Aquasource filters, or to order Replacement Filters, please contact Multipure by phone at 1.800.622.9208 or online at www.multipure.com.**

Removing the Used Filter Cartridges

1. Locate the main water supply line for the house. Locate the main water supply shutoff valve and rotate it counter-clockwise to close the water supply to the house.
2. Close all of the faucets in the house to avoid back flow of water.
3. Relieve air pressure from the housing by rotating the air vent valve nut (located on top of the housing lid) counterclockwise until it is removed.
4. Attach a garden hose to the flushing hose bib faucet and open the faucet to flush the system.
5. Allow water to flow through the Aquasource and out through the flushing hose. This will drain the water from the system housing.
6. Close the flushing hose bib faucet. Check all connections for any possible leaks.
7. Turn each of the 8 I-bolts counter-clockwise to loosen (use a screwdriver, pliers, or other tool for leverage, if necessary). Pull the I-bolts up and away from the housing lid, and then turn them so that each I-bolt rests against the side of the housing bottom.
8. Carefully lift the housing lid up off of the housing bottom and set aside.
9. Turn the nut on the retention plate counter-clockwise to remove. Carefully remove the filter retention plate and set both the plate and the nut aside.
10. Carefully remove each of the 3 used filter cartridges from the system housing. Allow them to dry for 24-48 hours before disposal.
11. To dispose of the used filters, place them in normal refuse.

Installing the New Filter Cartridges

1. Remove the plastic wrapper and instruction wrap from around the new filter cartridges.
2. Inspect each filter cartridge to make sure that all three have two (2) black O-rings properly seated in grooves on the nipple (make sure to check that the o-rings are lightly lubricated), and one (1) white gasket seated at the base of the filter nipple.
3. Install each filter cartridge inside the system housing, one at a time:
 - a. Insert each filter cartridge, nipple-side down, into one of the 3 receptor holes located inside the bottom of the Aquasource housing.

b. Make sure that all 3 cartridges are fully inserted, and that the white gasket around the filter cartridge nipple is in complete contact with the receptor hole.

NOTE: All 3 filter cartridges must be used for proper function of the Aquasource. Failure to properly insert all 3 filter cartridges may result in water bypassing the filters and passing through the Aquasource unfiltered.

4. Align the filter retention plate so that the connecting rod fits through the center hole of the plate. Place the retention plate nut over the connecting rod and rotate clockwise to securely tighten the retention plate over the 3 filter cartridges.
5. Inspect the flat opening surface at the top of the housing bottom. Make sure that the silicone gasket there is undamaged and properly seated in the recessed groove.
6. Carefully place the housing lid on top of the housing bottom. Secure with the 8 I-bolts, turning each clockwise to tighten.
7. Close the shutoff valve connected to the flushing hose bib faucet (after the Aquasource but before the water enters the house).
8. Refer to **Startup and Use of Your Aquasource Whole House Water Treatment System** on page 5 to complete the installation.

Warranty

90 Days - Satisfaction Guaranteed

If, for any reason, you are not completely satisfied with your Multipure Drinking Water System, Multipure will refund 100% of the purchase price.*

Lifetime Warranty on Stainless Steel & Plastic Housing

The exterior stainless steel housing and plastic housing (canister) is warranted for use and will be repaired or replaced at NO CHARGE.**

12 Months - Accessories Warranty

All exterior accessories provided by Multipure are warranted for use and will be repaired or replaced at NO CHARGE.

Proof of Purchase Required (warranty begins from the date of purchase) * Shipping and handling fees excluded.

** Provided that filter has been replaced at least once a year.

Other Multipure Products

Multipure offers other drinking water and water treatment devices designed to improve the quality of your water. The following products are just a sample of those available from Multipure. For additional information or for a complete listing of products, please visit www.multipure.com or contact us by phone at 1.800.622.9206.

Multipure Aquaversa (SKU# MP750SB)

The Aquaversa features a stainless steel housing and is designed for installation versatility. This model includes a stand-alone chrome faucet and a below sink installation kit, allowing it to be attached to a cabinet wall below the sink with an included mounting bracket. The faucet requires a 0.5" hole available in the countertop or sink for installation. The below sink Aquaversa connects to the cold water line with an included Adapta Valve.

The below sink Aquaversa is intended for a more permanent installation, although it can be removed and converted for countertop use with additional parts. An optional acrylic base is available separately.

- Housing: 8.5"h x 5.75"w
- Filter Capacity: 750 gallons (up to 1 year)
- Chrome Faucet included (additional colors available separately)
- NSF certified to reduce a wide range of contaminants of health concern
- Compatible Replacement Filter: CB6
- Retail Price: \$429.95 plus tax and shipping and handling

Multipure Aquashower (SKU# AQSH)

The Multipure Aquashower connects quickly and easily in-line with most existing showerheads, providing all the health benefits of Multipure dechlorinated water in your shower.

- Filter Capacity: 25,000 gallons (up to 6-7 months)
- Includes crystalline quartz technology in its filter media for an energized shower experience
- Extra replacement cartridge is included
- Retail Price: \$55.95 plus tax and shipping and handling